Bio-Gas Plants in Gujarat

1499. SHRI RAJUBHAI A. PARMAR: Will the PRIME MINISTER be pleased to state:

(a) the details of bio-gas plants installed in Gujarat, district-wise, during the last two years;

(b) what target has been fixed during 1994 regarding installation of bio-gas plants in the rural and adivasi areas of the State;

(c) what is the total number of bio-gas plants installed during the said period; and

(d) what amount has been allocated by Government for the installation of bio-gas plants?

THE MINISTER OF STATE IN MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR): (a) The number of bio-gas plants installed in the State of Gujarat during the last two years, i.e. 1992-93 and 1993-94, district-wise, is given in the enclosed statement (See below).

(b) The State has been allocated a target of setting up of 39,200 family type biogas plants and seven community, institutional and night-soil based biogas plants in the rural and adivasi areas during the year 1994-95.

(c) During the year 1992-93 and 1993-94, a total of 4.04 lakh family type biogas plants and 397 community, institutional and night-soil based plants have been installed in the country under National Project on Biogas Development and Community, Institutional and Night-soil based Biogas Plants Programmes, respectively.

(d) A budget provision of Rs 63.70 crores and Rs. 3.00 crores has been provided for National Project on Biogas Development and Community, Institutional and Night-soil based Biogas Plants Programme, respectively, for the year 1994-95.

Statement

Districts-wise number of family type and community, institutional and night-soil based biogas plants set up in the State of Gujarat during 1992-93 *and* 1993-94

Name of District	No. of plants set up during 1992-93 and 1993-94	
	Family Type Biogas plants	Community, institutional and night soil based biogas plants
1	2	3
Ahmadabad	2815	1
Amreli	2751	3
Banaskantha	2995	2
Bharuch	2192	3
Bhavnagar	1382	1
Gandhinagar	340	..
Jamnagar	4003	..
Junagarh	9308	4

1	2	3
Kutchchh	387	..
Kheda	5384	..
Mehsana	5765	4
Panchmahal	6414	..
Rajkot	6307	..
Sabarkantha	7919	12
Surat	2952	..
Surendranagar	624	..
The Dangs	145	..
Vadodara	11231	1
Valsad	5747	2
TOTAL:—	78661	33

Agricultural Machinery run by Bio-Mass Energy

1500. SHRI BHUPINDER SINGH MANN: Will the PRIME MINISTER be pleased to state:

(a) the names of countries of the world where agricultural machinery are running by bio-mass energy;

(b) whether this technology can be introduced in India; if so, the basic requirements therefor; and

(c) what are the reasons for not introducing this technology in the country till now?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR): (a) Countries which are using bio-mass energy systems for operating agricultural machinery include China, India, France, Sweden, Thailand, United Kingdom, United States of America, etc.

(b) Bio-mass energy technology has already been introduced and is being developed in India, based on the availability of various types of bio-mass and economic viability.

(c) Does not arise.

Wind Mill Technology

1501. SHRI BHUPINDER SINGH MANN: Will the PRIME MINISTER be pleased to state:

(a) what are the potential areas where wind mill technology to generate power can be launched and the basic amenities required therefor;

(b) the names of the countries where this technology is operating successfully and the power generated by the same in each country;

(c) what are the reasons for not bringing this technology to India;

(d) whether any survey has been made as to the potential areas for introducing this technology in India; and

(e) if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRISH-